Top Jaw Pole Tips

Mean TOP = 5.1413   Regression Line Ang. (mrad) = 0.0161

Pole Tip Num. ---->

Bottom Jaw Pole Tips

Minimum Effective Gap = 9.941

Mean BTM = -4.9104   Regression Line Ang. (mrad) = -0.0141

Y Value Scales Centered on Mean Values
Step Between Measured Pole Tips = 1

Regression Line Through Points = ----------
Dimensions in mm

SLAC
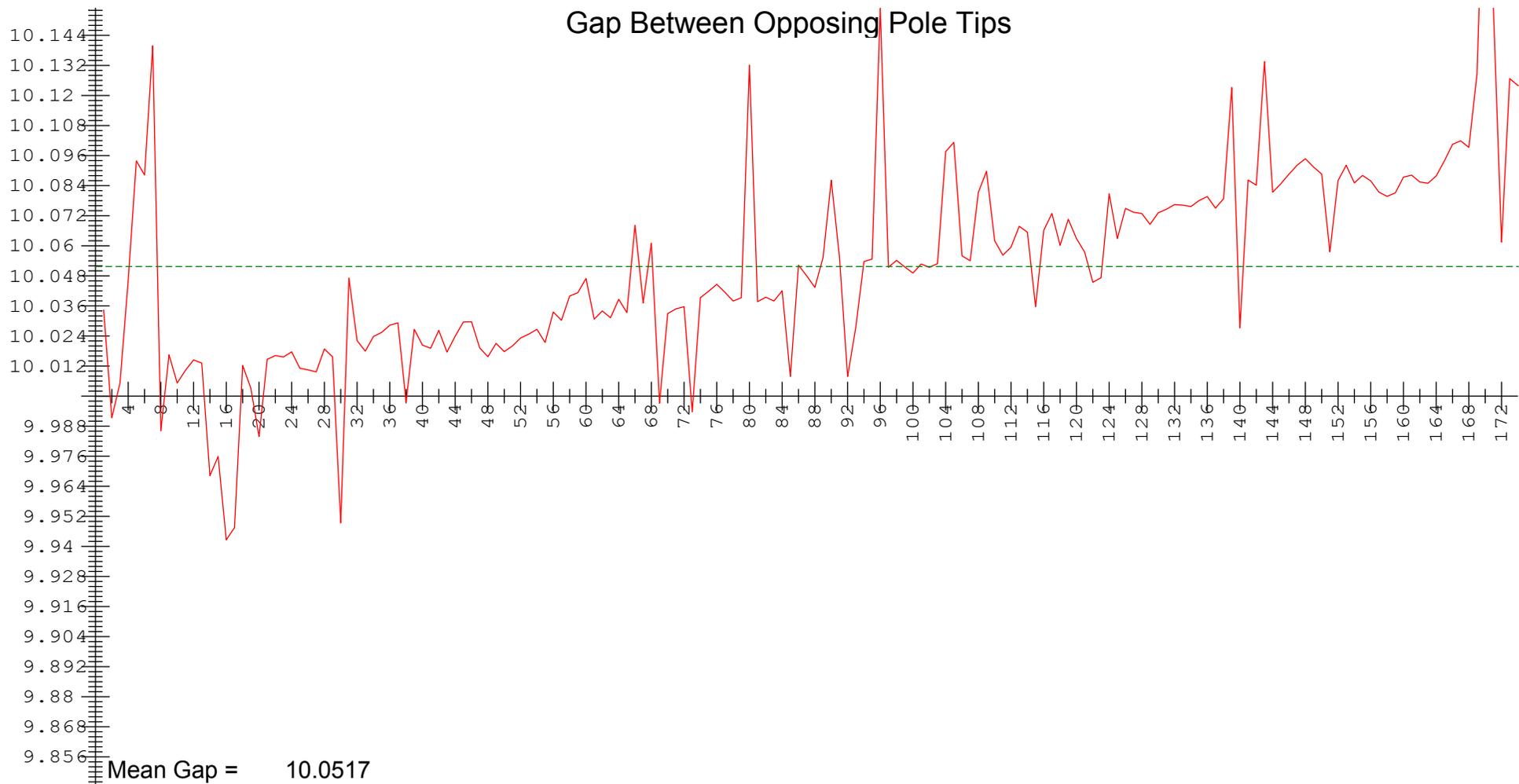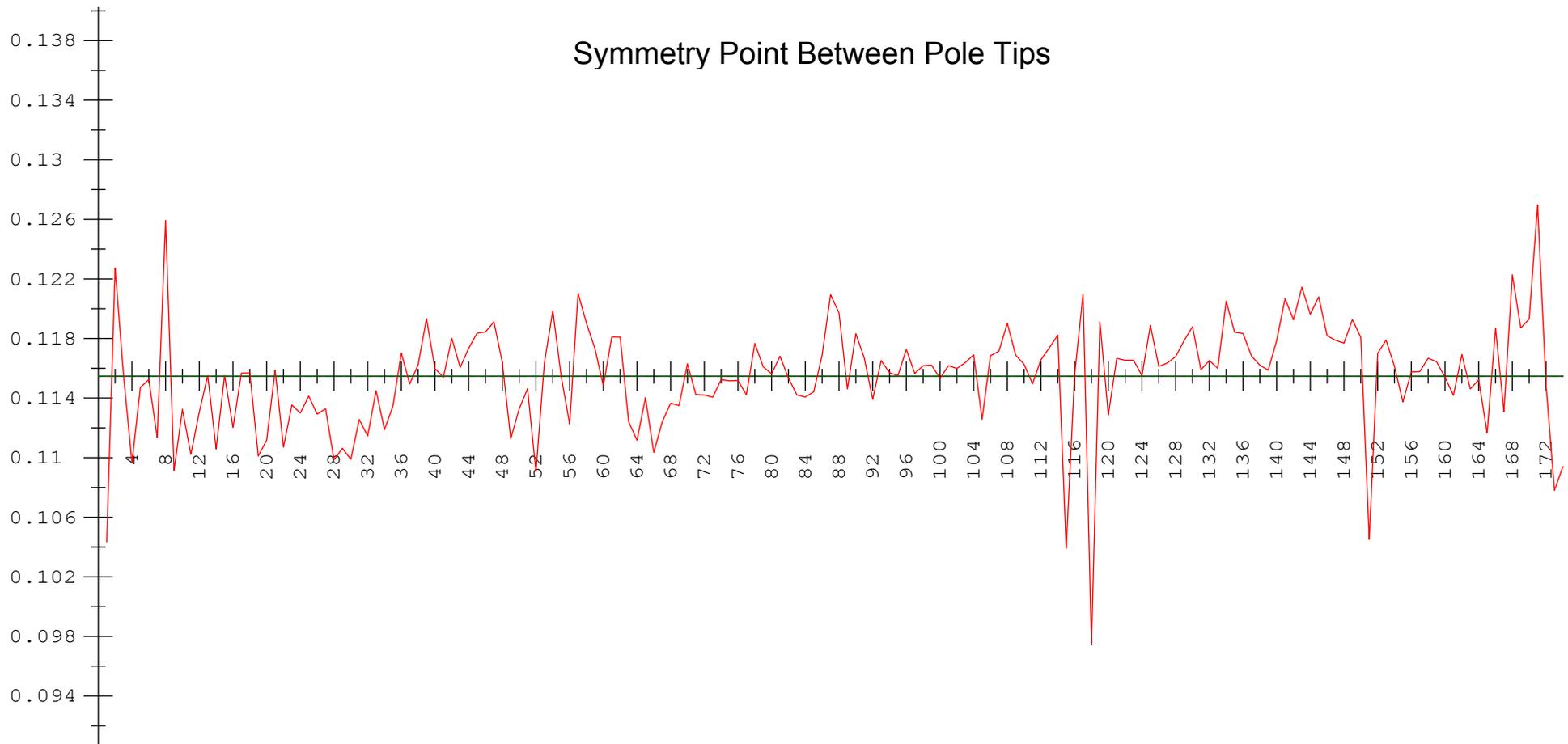NATIONAL ACCELERATOR LABORATORY
METROLOGY

LCLS II - SXR Undulator
Nominal Gap = 10   Nominal Taper = 0.1
Gap Reading = 10.0000   US Encoder = 10.0000   DS Encoder = 10.0000

23-MAR-2018
S/N = 007
D/S= 0001
Run= 6

Gap Between Opposing Pole Tips

Mean Gap =   10.0517

Step Between Measured Pole Tips =   1

Dimensions in mm

LCLS II - SXR Undulator

SLAC NATIONAL ACCELERATOR LABORATORY METROLOGY	**Nominal Gap = 10** **Nominal Taper = 0.1** Gap Reading = 10.0000 US Encoder = 10.0000 DS Encoder = 10.0000	23-MAR-2018 S/N = 007 D/S= 0001 Run= 6

Symmetry Point Between Pole Tips

Mean Symmetry Value =   0.1155

Step Between Measured Pole Tips =   1

Dimensions in mm

SLAC NATIONAL ACCELERATOR LABORATORY METROLOGY	LCLS II - SXR Undulator	23-MAR-2018
	Nominal Gap = 10 Nominal Taper = 0.1	S/N = 007
	Gap Reading = 10.0000 US Encoder = 10.0000 DS Encoder = 10.0000	D/S= 0001
		Run= 6

Top and Bottom Jaw
Regression Line Intersect Points

Jaw	First Pole (Pole 1)	US Actuator (Pole 39)	DS Actuator (Pole 135)	Last Pole (Pole 174)
Top	5.1141	5.1261	5.1563	5.1685
Bottom	-4.8866	-4.8970	-4.9235	-4.9342
Gap	10.0007			10.1027
Taper				0.1020

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.1413	-4.9104	10.0517	0.1155

Additional Calculated Values

Bottom Pole #1 Z Value	979.160
Top Jaw Pitch (mrad)	0.016
Bottom Jaw Pitch(mrad)	-0.014
Minimum Effective Gap	9.941
Reference Block Gap	6.803

Dimensions in mm

SLAC
NATIONAL ACCELERATOR LABORATORY
METROLOGY

LCLS II - SXR Undulator
Nominal Gap = 10   Nominal Taper = 0.1
Gap Reading = 10.0000   US Encoder = 10.0000   DS Encoder = 10.0000

23-MAR-2018
S/N = 007
D/S= 0001
Run= 6